

# SEQUENCE LISTING

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KOIZUMI, SCHUICHI  
KOHSAKA, SHINICHI  
KOHSAKA, KAZUhide INOUE

<120> A SCREENING METHOD OF DRUG FOR TREATMENT OF NEUROPATHIC PAIN

<130> U 014843-4

<140> ---

<141> 2003-10-01

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<170> PatentIn version 3.2

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<221> CDS

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cgc gcc gtg caa ctg ctc atc ctg gcc tac gtc atc ggg tgg gtg ttt	144
Arg Ala Val Gln Leu Leu Ile Leu Ala Tyr Val Ile Gly Trp Val Phe	
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gtg tgg gaa aag ggc tac cag gaa act gac tcc gtg gtc agc tcc gtt	192
Val Trp Glu Lys Gly Tyr Gln Glu Thr Asp Ser Val Val Ser Ser Val	
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acg acc aag gtc aag ggc gtg gct gtg acc aac act tct aaa ctt gga	240
Thr Thr Lys Val Lys Gly Val Ala Val Thr Asn Thr Ser Lys Leu Gly	
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ttc cgg atc tgg gat gtg gcg gat tat gtg ata cca gct cag gag gaa	288
Phe Arg Ile Trp Asp Val Ala Asp Tyr Val Ile Pro Ala Gln Glu Glu	
85 90 95	

aac tcc ctc ttc gtc atg acc aac gtg atc ctc acc atg aac cag aca	336
Asn Ser Leu Phe Val Met Thr Asn Val Ile Leu Thr Met Asn Gln Thr	
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cag ggc ctg tgc ccc gag att cca gat gcg acc act gtg tgt aaa tca	384
Gln Gly Leu Cys Pro Glu Ile Pro Asp Ala Thr Thr Val Cys Lys Ser	
115 120 125	

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ccc ttc tgc ccc ata ttc cgt ctt ggc aaa ata gtg gag aac gca gga Pro Phe Cys Pro Ile Phe Arg Leu Gly Lys Ile Val Glu Asn Ala Gly 225 230 235 240	720
cac agt ttc cag gac atg gcc gtg gag gga ggc atc atg ggc atc cag His Ser Phe Gln Asp Met Ala Val Glu Gly Gly Ile Met Gly Ile Gln 245 250 255	768
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Val Trp Glu Lys Gly Tyr Gln Glu Thr Asp Ser Val Val Ser Ser Val  
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Thr Thr Lys Val Lys Gly Val Ala Val Thr Asn Thr Ser Lys Leu Gly  
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Phe Arg Ile Trp Asp Val Ala Asp Tyr Val Ile Pro Ala Gln Glu Glu  
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Asn Ser Leu Phe Val Met Thr Asn Val Ile Leu Thr Met Asn Gln Thr  
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Gln Gly Leu Cys Pro Glu Ile Pro Asp Ala Thr Thr Val Cys Lys Ser  
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His Ser Phe Gln Asp Met Ala Val Glu Gly Gly Ile Met Gly Ile Gln  
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Val Asn Trp Asp Cys Asn Leu Asp Arg Ala Ala Ser Leu Cys Leu Pro  
260 265 270

Arg Tyr Ser Phe Arg Arg Leu Asp Thr Arg Asp Val Glu His Asn Val  
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Ser Pro Gly Tyr Asn Phe Arg Phe Ala Lys Tyr Tyr Arg Asp Leu Ala  
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Gly Asn Glu Gln Arg Thr Leu Ile Lys Ala Tyr Gly Ile Arg Phe Asp  
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325 330 335

Ile Asn Ile Gly Ser Gly Leu Ala Leu Leu Gly Met Ala Thr Val Leu  
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Cys Asp Ile Ile Val Leu Tyr Cys Met Lys Lys Arg Leu Tyr Tyr Arg  
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 Thr Val Leu Phe Phe Val Gly Leu Ile Thr Asn Gly Leu Ala Met Arg  
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 Ile Leu Thr Asn Arg Gln Pro Arg Asp Lys Asn Val Lys Lys Cys Ser  
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 Phe Leu Lys Ser Glu Phe Gly Leu Val Trp His Glu Ile Val Asn Tyr  
 180 185 190



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ggt gta ggt aaa gtc ccc agg aaa aag gtg aac gtc aaa gtt ttc att Gly Val Gly Lys Val Pro Arg Lys Lys Val Asn Val Lys Val Phe Ile 225 230 235 240	720
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tta aat gca tgc ctg gat ccg ttc atc tat ttt ttc ctt tgc aag tcc Leu Asn Ala Cys Leu Asp Pro Phe Ile Tyr Phe Phe Leu Cys Lys Ser 290 295 300	912
ttc aga aat tcc ttg ata agt atg ctg aag tgc ccc aat tct gca aca Phe Arg Asn Ser Leu Ile Ser Met Leu Lys Cys Pro Asn Ser Ala Thr 305 310 315 320	960
tct ctg tcc cag gac aat agg aaa aaa gaa cag gat ggt ggt gac cca Ser Leu Ser Gln Asp Asn Arg Lys Lys Glu Gln Asp Gly Gly Asp Pro 325 330 335	1008
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Ile Phe Phe Gln Ile Arg Ser Lys Ser Asn Phe Ile Ile Phe Leu Lys

50

55

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Asn Thr Val Ile Ser Asp Leu Leu Met Ile Leu Thr Phe Pro Phe Lys  
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Ile Leu Ser Asp Ala Lys Leu Gly Thr Gly Pro Leu Arg Thr Phe Val  
85 90 95

Cys Gln Val Thr Ser Val Ile Phe Tyr Phe Thr Met Tyr Ile Ser Ile  
100 105 110

Ser Phe Leu Gly Leu Ile Thr Ile Asp Arg Tyr Gln Lys Thr Thr Arg  
115 120 125

Pro Phe Lys Thr Ser Asn Pro Lys Asn Leu Leu Gly Ala Lys Ile Leu  
130 135 140

Ser Val Val Ile Trp Ala Phe Met Phe Leu Leu Ser Leu Pro Asn Met  
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Ile Leu Thr Asn Arg Gln Pro Arg Asp Lys Asn Val Lys Lys Cys Ser  
165 170 175

Phe Leu Lys Ser Glu Phe Gly Leu Val Trp His Glu Ile Val Asn Tyr  
180 185 190

Ile Cys Gln Val Ile Phe Trp Ile Asn Phe Leu Ile Val Ile Val Cys  
195 200 205

Tyr Thr Leu Ile Thr Lys Glu Leu Tyr Arg Ser Tyr Val Arg Thr Arg  
210 215 220

Gly Val Gly Lys Val Pro Arg Lys Lys Val Asn Val Lys Val Phe Ile  
225 230 235 240

Ile Ile Ala Val Phe Phe Ile Cys Phe Val Pro Phe His Phe Ala Arg  
245 250 255

Ile Pro Tyr Thr Leu Ser Gln Thr Arg Asp Val Phe Asp Cys Thr Ala  
260 265 270

Glu Asn Thr Leu Phe Tyr Val Lys Glu Ser Thr Leu Trp Leu Thr Ser  
275 280 285

Leu Asn Ala Cys Leu Asp Pro Phe Ile Tyr Phe Phe Leu Cys Lys Ser  
290 295 300

Phe Arg Asn Ser Leu Ile Ser Met Leu Lys Cys Pro Asn Ser Ala Thr  
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Ser Leu Ser Gln Asp Asn Arg Lys Lys Glu Gln Asp Gly Gly Asp Pro  
325 330 335

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